

Mixer and Agitator Drive MC with Extended Bearing Distance (EBD)

In mixing and aerating applications, the impeller shaft is subject to large thrust and radial forces. Traditional mixer designs typically incorporate a radial bearing near or at the bottom of the impeller shaft and a thrust bearing at the top of the shaft. An alternate design uses an oversized gear unit. Either design is usually expensive.

SEW-Eurodrive's Extended Bearing Distance (EBD) design offers a stronger bearing within the gear unit itself. Therefore, it is often unnecessary to oversize the gear unit.

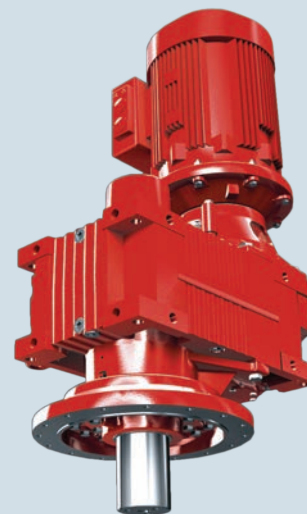
Two solid shafts are available. For equipment containing an external radial bearing, the smaller diameter shaft can support large axial and moderate radial loads. For equipment with no external bearings, the larger diameter can support high radial and moderate axial loads. An alternative hollow shaft is available for moderate radial and moderate axial loads.

Product Range

- Output torque capacity to 570,000 lb-in
- Input HP capacity to 1400 HP
- Ratios from 7:1 to 112:1 with single unit
- Ratios > 112:1 with compound units
- Double and triple reductions within single unit

Standard Features

- Efficient helical and bevel-helical gearing
- Hollow or solid output shaft
- Spherical bearing with paired taper roller bearings
- Radial labyrinth sealing system
- Case hardened, helical steel gears finished to AGMA 12 (ISO 6, DIN6)
- Gray cast iron housing
- Splash and pressure lubricated
- Modular construction - fast delivery and global availability
- Quick shipments from stock in Lyman, SC
- Global product support through international sales offices



Mounting Configurations

- Parallel-offset or right-angle configuration
- Foot mounting or flange mounting (B14 or B5)
- B14 flange (EZ design) enables the use of a custom mounting flange for new or retrofit installations
- Horizontal or vertical shaft
- Solid shaft or keyed hollow shaft
- C-Face or V-belt arrangement for motor input

Optional Features

- Drywell design
- Leakage indicator
- External oil tank with heater
- Backstop
- Pressure lubrication
- Cooling system
- Base plates and swing bases
- Coupling and guard
- Grease nipple and piping - extra protection for radial labyrinth bearings in dusty environment
- FKM seals instead of NBR

PRODUCT FOCUS



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About SEW-Eurodrive

Our product is motion. Our focus is solutions. As a worldwide supplier of innovative gearing, motor, and electronic drive technology, we have been solving problems in large and small applications within virtually every industry for over 80 years.

We also specialize in reducing the total cost of ownership with our customer-specific energy saving solutions.

Globally, we have assembly centers in 44 countries, along with 15 production plants. Therefore, we are able to provide uniform quality standards and international application experience.

Locally, we provide final assembly and custom modifications plus assistance with project planning, startup, and training. All products are backed by our industry-leading 24/7 support program.

SEW-Eurodrive ... Driving the World

